



FORENSIC TOXICOLOGY REPORT

FAA Civil Aerospace Medical Institute
Bioaeronautical Sciences Research Branch, Forensic Sciences
P.O. Box 25082, Oklahoma City, Oklahoma 73125
Ph: 405-954-6254, Fax: 405-954-3705



November 15, 2023

LOCATION Cullman, AL

DATE OF ACCIDENT 9/29/2023

CAMI # 202300177001

MODE Aviation

DATE RECEIVED 10/17/2023

NTSB # ERA23FA382

N # 95SF

STATUS FATAL

SPECIMENS Bile, Blood, Blood (Cavity), Brain, Gastric, Heart, Kidney, Liver, Lung, Muscle, Spleen, Urine, Vitreous

PUTREFACTION No

Screening tests employed

Blood - Hemoglobin A1c (Analyzer)
Blood (Cavity) - Carboxyhemoglobin (UV/VIS)
Vitreous - Volatiles (HS GC/FID)
Urine - Volatiles (HS GC/FID)
Blood - Volatiles (HS GC/FID)
Vitreous - Glucose (Chemical Analyzer)
Urine - Glucose (Chemical Analyzer)
Urine - Drugs of abuse (Immunoassay)
Urine - General drug screen (LC/MS, GC/MS)

<u>Analyte</u>	<u>Result</u>	<u>Specimen</u>	<u>Instrument</u>
Carboxyhemoglobin	Not Detected	Blood (Cavity)	UV/VIS
Ethanol	38 (mg/dL, mg/hg)	Blood	HSGC/FID
Ethanol	Not Detected	Vitreous	HSGC/FID
Ethanol	10 (mg/dL, mg/hg)	Urine	HSGC/FID
N-Butanol	Detected	Blood	HSGC/FID
N-Butanol	Not Detected	Vitreous	HSGC/FID
N-Butanol	Not Detected	Urine	HSGC/FID
Propanol (N-)	Detected	Blood	HSGC/FID
Propanol (N-)	Not Detected	Vitreous	HSGC/FID
Propanol (N-)	Not Detected	Urine	HSGC/FID

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CONTINUATION

CAMI # 202300177001

NAME Smith, William S.

Analyte	Result	Specimen	Instrument
Glucose	14 (mg/dL)	Vitreous	Analyzer
Glucose	680 (mg/dL)	Urine	Analyzer
Hemoglobin A1C	7.1 (%)	Blood	Analyzer
Diphenhydramine	197 (ng/mL, ng/g)	Blood	GC/MS
Diphenhydramine	3592 (ng/mL, ng/g)	Urine	GC/MS
Atorvastatin	Detected	Blood	LC/MS
Atorvastatin	Detected	Urine	LC/MS
Naproxen	Detected	Blood	LC/MS
Naproxen	Detected	Urine	LC/MS
Famotidine	Detected	Blood	LC/MS
Famotidine	Detected	Urine	LC/MS

2023.11.16 11:22:14 -06'00'

Russell Lewis, Ph.D., F-ABFT
Manager, Bioaeronautical Sciences Research Branch
Civil Aerospace Medical Institute, FAA

This record may be releasable under the FOIA request 15 days after signature date, unless FOIA exemptions apply.

Results listed in this report relate to tested specimen(s) only. See Forensic Toxicology web site for testing methodology and cutoffs as well as drug, FOIA, and contact information.

<http://www.faa.gov/go/toxlab>